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## Product Description

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Cell Lines	
<b>ATCC® Number:</b>	<b>CRL-10463™</b> <input type="button" value="Order this item"/>
<b>Designations:</b>	A-HER2 [4D5; NB9644P28]
<b>Biosafety Level:</b>	1 <b>Shipped:</b> frozen
<b>Medium &amp; Serum:</b>	<a href="#">See Propagation</a>
<b>Organism:</b>	<i>Mus musculus</i> (B cell); <i>Mus musculus</i> (myeloma) (mouse (B cell); mouse (myeloma))
<b>Source:</b>	<b>Organ:</b> spleen <b>Cell type:</b> hybridoma; ; B lymphocyte
<b>Cellular Products:</b>	immunoglobulin; monoclonal antibody; against HER2 receptor
<b>Permits/Forms:</b>	In addition to the <a href="#">MTA</a> mentioned above, other ATCC and/or regulatory permits may be required for the transfer of this ATCC material. Anyone purchasing ATCC material is ultimately responsible for obtaining the permits. Please <a href="#">click here</a> for information regarding the specific requirements for shipment to your location.
This material is cited in a U.S. and/or other Patent or Patent Application, and may not be used to infringe on the patent claims.	
<b><a href="#">Related Cell Culture Products</a></b>	
<b>Comments:</b>	<p>Animals were immunized with HER2-amplified NIH 3T3 transformed cells. Spleen cells were fused with P3X63Ag8.653 myeloma cells. The antibody binds to the extracellular domain of the HER2 receptor and inhibits the growth of SK-BR-3 (ATCC <a href="#">HTB-30</a>) breast tumor cells. <a href="#">[30816]</a></p> <p>The SK-BR-3 cell line overexpresses the HER2/c-erb-2 gene product. <a href="#">[49665]</a></p> <p>The antibody prevents HER2/c-erb-2 transformed NIH 3T3 cells from forming colonies in soft agar. <a href="#">[49665]</a></p> <p>It does not cross-react with the human epidermal growth factor (EGF) receptor and it will immunoprecipitate p185HER2. <a href="#">[49662]</a> <a href="#">[49665]</a></p>
<b>Propagation:</b>	<p><b>ATCC complete growth medium:</b> Dulbecco's modified Eagle's medium with 4 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate and 4.5 g/L glucose, 90%; fetal bovine serum, 10%</p> <p><b>Temperature:</b> 37.0C</p>

	<b>Atmosphere:</b> air, 95%; carbon dioxide (CO <sub>2</sub> ), 5%
<b>Subculturing:</b>	<b>Protocol:</b> Cultures can be maintained by the addition of fresh medium or replacement of medium. Alternatively, cultures can be established by centrifugation with subsequent resuspension at $1 \times 10^5$ viable cells/ml. <b>Interval:</b> Maintain cell density between $5 \times 10^4$ and $1 \times 10^6$ viable cells/ml. <b>Medium renewal:</b> Add fresh medium every 2 to 3 days (depending on cell density)
<b>Preservation:</b>	<b>Freeze medium:</b> Complete growth medium supplemented with 5% (v/v) DMSO <b>Storage temperature:</b> liquid nitrogen vapor phase
<b>Related Products:</b>	Recommended medium (without the additional supplements or serum described under ATCC Medium): ATCC <a href="#">30-2002</a> recommended serum: ATCC <a href="#">30-2020</a>
<b>References:</b>	<a href="#">30816</a> : Hudziak RM , et al. Monoclonal antibodies directed to the Her2 receptor. US Patent 5,677,171 dated Oct 14 1997 <a href="#">32176</a> : Hudziak RM , et al. In vivo tumor detection assay. US Patent 5,720,937 dated Feb 24 1998 <a href="#">49662</a> : Fendly BM , et al. Characterization of murine monoclonal antibodies reactive to either the human epidermal growth factor receptor or HER2/neu gene product. Cancer Res. 50: 1550-1558, 1990. PubMed: <a href="#">1689212</a> <a href="#">49665</a> : Hudziak RM , et al. p185HER2 monoclonal antibody has antiproliferative effects in vitro and sensitizes human breast tumor cells to tumor necrosis factor. Mol. Cell. Biol. 9: 1165-1172, 1989. PubMed: <a href="#">2566907</a> <a href="#">88867</a> : Baughman SA , Shak S . Dosages for treatment with anti-Erb2 antibodies. US Patent 6,627,196 dated Sep 30 2003 <a href="#">90263</a> : Carter PJ , Presta LG . Method for making humanized antibodies. U.S. Patent 6,800,738 dated Oct 5 2004 <a href="#">90264</a> : Carter PJ , Presta LG . Method for making humanized antibodies . U.S. Patent 6,719,971 dated Apr 13 2004

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CRL-10463



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Cell Lines	
ATCC® Number:	HB-8696™ <a href="#">Order this item</a>
Price:	\$315.00
Designations:	520C9 [520C9.C3B10T]
Depositors:	Cetus Corp.
Biosafety Level:	1 Shipped: frozen
Isotype:	IgG1
Medium & Serum:	<a href="#">See Propagation</a>
Growth Properties:	suspension
Organism:	<i>Mus musculus</i> (B cell); <i>Mus musculus</i> (myeloma) (mouse (B cell); mouse (myeloma))
Morphology:	lymphoblast
Source:	Cell type: hybridoma; ; B lymphocyte
Cellular Products:	immunoglobulin; monoclonal antibody; against human breast cancer cells
Permits/Forms:	In addition to the <a href="#">MTA</a> mentioned above, other ATCC and/or regulatory permits may be required for the transfer of this ATCC material. Anyone purchasing ATCC material is ultimately responsible for obtaining the permits. Please <a href="#">click here</a> for information regarding the specific requirements for shipment to your location.
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<b><a href="#">Related Cell Culture Products</a></b>	
Tumorigenic:	yes; forms ascites in BALB/c mice
Comments:	Animals were immunized either with live cells or with membrane extracts from human breast cancer cell lines. Spleen cells were fused with Sp2/0-Ag14 myeloma cells. By immunofluorescence, the antibody is specific for neoplastic breast tissue with some weak cross-reaction with other neoplasms. The antibody reacts with a 210000 dalton protein found in cancerous human breast tissue.
Propagation:	ATCC complete growth medium: Modified Dulbecco's medium, 80%; fetal bovine serum, 20%
Subculturing:	Cultures can be maintained by addition or replacement of fresh medium. Start cultures at 2 X 10 exp5 cells/ml and maintain between 1 X 10 exp5 and 1 X 10 exp6 cells/ml.

	<b>Medium renewal:</b> Every 2 to 3 days
<b>Related Products:</b>	Recommended medium (without the additional supplements or serum described under ATCC Medium): ATCC <a href="#">46-X</a>
<b>References:</b>	<a href="#">3895</a> : Frankel AE , et al. Monoclonal anti-human breast cancer antibodies. US Patent 4,753,894 dated Jun 28 1988 <a href="#">70147</a> : Tempest PR , et al. Humanized antibodies to Fc receptors for immunoglobulin G on human mononuclear phagocytes. US Patent 6,500,931 dated Dec 31 2002

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